

**ABSTRACT**

A protein useful for clarifying the regulation mechanism of  $\text{Ca}^{2+}$ -dependent exocytosis in particular, the activation and inactivation of Rab3A, and a method of screening for a material useful for regulating  $\text{Ca}^{2+}$ -dependent exocytosis in particular, the activation and inactivation of Rab3A, using the above protein. By using the coimmunoprecipitation with an anti-Rab3A GEP antibody, a protein participated in the regulation of activation or inactivation of Rab3A is determined. As the protein binds to rabconnectin-3 and GDP/GTP exchange protein, it can be used for screening for a material that increases or decreases the binding.